



REMARKS

This Amendment is submitted to insert sequence identifiers into the specification, and to comply with the requirements of 37 C.F.R. 1.821-1.825. No new matter is added.

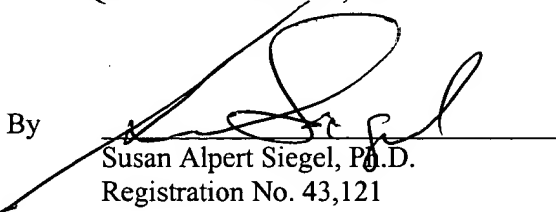
CONCLUSION

If any minor matters remain to be discussed prior to examination, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By


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Marked-up Version of Amended Specification
Pursuant to 37 C.F.R. §§ 1.121(b)-(c)

In the specification:

Please replace the paragraph on page 21, lines 36-39 with the following paragraph:

CE39: 5' AGCTTAGTACTGACGAC 3' (SEQ ID NO: 1)

CE40: 5' CATGGTCGTCAGTACTA 3' (SEQ ID NO: 2)

CE37: 5' GTGGAGACGCGAATAATCGCGAGC 3' (SEQ ID NO: 3)

CE38: 5' GGCCGCTCGCGATTATTCGCGTCTCCACAAAA 3' (SEQ ID NO: 4)

Please replace the paragraph on page 22, lines 31-39 with the following paragraph:

The oligonucleotides used for PCR are shown below:

HindIII

MB97: 5' TCGAAAGCTTCAGGGAGTGGCGCAGC 3' (SEQ ID NO: 5)

HpaI

MB96: 5' TCAGTTAACGGACAGCATGGCCAGGTCAAG 3' (SEQ ID NO: 6)

HpaI

MB57: 5' TCAGTTAACGCCTCTGTTCCCTTTCCCTTC 3' (SEQ ID NO: 7)

EcoRI

MB58: 5' TCAGAATTCGAGCAGCTCCTCATGTTCGAC 3' (SEQ ID NO: 8)

Please replace the paragraph on page 23, lines 29-36 with the following paragraph:

HpaI

MB57: 5' TCAGTTAACGCCTCTGTTCCCTTTCCCTTC 3' (SEQ ID NO: 7)

EcoRI

MB108: 5' TCAGAATTCGTTCCGGGAGCAGGCGTGGA 3' (SEQ ID NO: 9)

HindIII

MB94: 5' TCAAAAGCTTATGGCTTCTCACGCCGGCCAA 3' (SEQ ID NO: 10)

HpaI

MB109: 5' TCAGTTAACTGCACTAGTTTAAATTAATACGTATG 3' (SEQ ID NO: 11)

Please replace the paragraph on page 24, lines 27-39 with the following paragraph:

A library of cDNA clones is constructed from a cloned T-lymphocyte line (from a BALB/c strain of mouse), such as LB3 (Kelso et al., J Immunol. 132, 2932, 1984) in which the synthesis of GM-CSF is inducible by concanavalin A. The library is searched by colony hybridisation with a sequence specific to

the murine GM-CSF gene (see Gough et al., EMBO J, 4, 645, 1985 for sequence). An example of an oligonucleotide usable in this case is 5' TGGATGACAT GCCTGTCACA TTGAATGAAG AGGTAGAAGT 3' (SEQ ID NO: 12). Clones of over 1kb are picked and sequenced to check that they are GM-CSF. These operations can be carried out as described in "Molecular Cloning: A Laboratory Manual", ed. Sambrook, Fritsch and Maniatis, Cold Spring Harbor Laboratory Press. Such an operation results in a clone containing the complete GM-CSF sequence which can be excised with *Hinf*I and *Stu*I as described for pGM3.2.

Please replace the paragraph on page 25, lines 13 and 14 with the following paragraph:

CE55: 5' GGCCGCTCGAACATGGCCCACGAGAGAAAGGCTAAG 3' (SEQ ID NO: 13)

CE56: 5' GACCTTAGCCTTTCTCTCGTGGGCCATGTTTCGAGC 3' (SEQ ID NO: 14)

Please replace the paragraph on page 25, lines 23-38 with the following paragraph:

pIMR1

TTAATACGAC TCACTATAGG GAGACCGGAA GCTTGGTACC GAGCTCGGAT
CCACTAGTAA CGGCCGCCAG TGTGCTGGAA TTCTGCAGAT ATCCATCACA
CTGGCGGCCG CTCGAGCATG CATCTAGCCT TTGACTACA ATGGCCCACGAGA

Not I

Short ORF

Start of GM-CSF

GAAAGGCTAA GGTCTCTG (SEQ ID NO: 15)

PpuMI

pIMR3

TTAATACGAC TCACTATAGG GAGACCGGAA GCTTGGTACC GAGCTCGGAT
CCACTAGTAA CGGCCGCCAG TGTGCTGGAA TTCTGCAGAT ATCCATCACA
CTGGCGGCCG CTCGAACATG GCCCACGAGA GAAAGGCTAA GGTCCTG

Not I

Start

PpuMI

(SEQ ID NO: 16)

Please replace the paragraph on page 26, lines 16-23 with the following paragraph:

HindIII

MB97: 5' TCGAAGCTTCAGGGAGTGGCGCAGC 3' (SEQ ID NO: 5)

HpaI

MB100: 5' TCAGTTAACGGCCAGCATAGCCAGGTCAAG 3' (SEQ ID NO: 17)

HpaI

MB61: 5' TCAGTTAACAGCCCCTCTTTGCTTTCCCTC 3' (SEQ ID NO: 18)

EcoRI

MB58: 5' TCAGAATTCGAGCAGCTCCTCATGTTCGAC 3' (SEQ ID NO: 8)

Please replace the paragraph on page 27, lines 14-21 with the following paragraph:

HindIII

MB98: 5' TCAAAGCTTATGGCTTCGTACCCCTGCCAT 3' (SEQ ID NO: 19)

HpaI

MB63: 5' TCAGTTAACGGACCCCGTCCCTAACCCACG 3' (SEQ ID NO: 20)

HpaI

MB61: 5' TCAGTTAACAGCCCCTCTTTGCTTTCCCTC 3' (SEQ ID NO: 18)

EcoRI

MB58: 5' TCAGAATTCGAGCAGCTCCTCATGTTCGAC 3' (SEQ ID NO: 8)

Please insert the attached Sequence Listing as pages 37-41 of the specification.

Please renumber the abstract as page 42 of the specification.